

Notice of Allowability

Application No.

09/938,291

Examiner

Sikha Roy

Applicant(s)

YAMAZAKI ET AL.

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/18/04.
2. ☒ The allowed claim(s) is/are 2,3,5-21,23-39,41-56 and 58-64.
3. ☒ The drawings filed on 24 August 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 0804
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

The Amendment, filed on August 18, 2004 has been entered and is acknowledged by the Examiner.

Cancellation of claims 1, 4 and 57 has been entered.

Applicant's arguments filed August 18, 2004 regarding claims 2, 3, 5, 6, 60 and 61 have been fully considered and are persuasive. The rejection of the application has been withdrawn.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Robinson on September 3, 2004.

The application has been amended as follows:

In the Specification

Page 26 line 21, after [Table 1] the attached Table 1 has been inserted.

Allowable Subject Matter

Claims 2, 3, 5-21, 23-39, 41-56 and 58-64 allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

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Regarding claims 2,3,5 and 6 the prior art of record neither teaches nor suggests a light emitting device having all the limitations as claimed and particularly the limitation comprising one EL element in the pixel portion comprising first EL layer comprising a triplet compound and second EL element in the pixel portion comprising a second EL layer comprising a singlet compound and the hole transporting layer of the first EL layer comprises plurality of hole transporting layers.

Claims 8,10,12,14,16,18,20,23,25,27,29,31,33,35,37,41,43,45,47,49,51,53 and 55 are allowed because of their dependency status from claim 2.

Claims 7,9,11,13,15,17,19,21,24,26,28,30,32,34,36,38,39,42,44,46,48,50,52,54 and 56 are allowed because of their dependency status from claim 3.

Claims 58 and 59 are allowed because of their dependency status from claims 5 and 6 respectively.

Regarding claim 60 and 61 the prior art of record neither teaches nor suggests a light emitting device having all the limitations as claimed and particularly the limitation comprising one EL element in the pixel portion comprising first EL layer comprising a triplet compound and second EL element in the pixel portion comprising a second EL layer comprising a singlet compound and a hole injection layer in contact with the anode and deposited under the hole transporting layer.

Claims 62 and 63,64 are allowed because of their dependency status from claims 60 and 61 respectively.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikha Roy whose telephone number is (571) 272-2463. The examiner can normally be reached on Monday-Friday 8:00 a.m. – 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S. R.

Sikha Roy
Patent Examiner
Art Unit 2879

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